

# CERTIFICATE OF ANALYSIS

<b>Product name:</b>	Recombinant Human Interleukin-15 (rHuIL-15)
<b>Catalog:</b>	AC52385
<b>Size :</b>	100 µg
<b>Lot:</b>	1039230823
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 12.9 kDa, a single non-glycosylated polypeptide chain containing 115 amino acids.
<b>Description:</b>	Accession # P40933.1, Asn49-Ser162, with an N terminal Met.
<b>SDS-PAGE:</b>	9 kDa, reducing conditions
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute to a concentration of 0.1-1.0 mg/mL in sterile distilled H <sub>2</sub> O. Stock solutions should be apportioned into working aliquots and stored at -20 °C to -70 °C. Further dilutions should be made in appropriate buffered solutions. <b>Do not reconstitute in cell culture media directly.</b>
<b>Shipping:</b>	The product is shipped at 2 °C to 8 °C. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <p>A minimum of 12 months from date of shipping when stored at -20 °C to -70 °C as supplied.</p> <p>4 weeks at 2 °C to 8 °C under sterile conditions after reconstitution.</p> <p>4 months at -20 °C to -70 °C under sterile conditions after reconstitution.</p>

Quality control assays		
Test	Standard	Result
Endotoxin	< 1EU/µg	Pass
purity	> 95%	Pass
Sterility	Negative	Pass
Biological Activity-ELISA	Immobilized Recombinant Human IL-15(Catalog # AC52385) at 0.2µg/well can bind Human IL-15 R alpha with a linear range of 254.2 to 402.3 ng/mL.	Pass
Biological Activity-Cell based assay	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells, the EC50 for this effect is 0.2303 to 0.3518 ng/mL.	Pass

This product lot has passed Acnovia's QC testing.

